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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/084,795	02/25/2002	Daniel C. Ziegler	0108	7876
75	590 05/03/2006		EXAM	INER
Armstrong We	orld Industries, Inc.		A, PHI DIEU TRAN	
2500 Columbia	Avenue			
P.O. Box 3001			ART UNIT	PAPER NUMBER
Lancaster, PA 17604-3001			3637	
	DATE MAILED: 05/03/2006		5	

Please find below and/or attached an Office communication concerning this application or proceeding.

•		Application No.	Applicant(s)		
		10/084,795	ZIEGLER ET AL.		
	Office Action Summary	Examiner	Art Unit		
		Phi D. A	3637		
Period fo	The MAILING DATE of this communication app or Reply	pears on the cover sheet with the c	orrespondence address		
A SH WHIC - Exter after - If NO - Failu Any (ORTENED STATUTORY PERIOD FOR REPLY CHEVER IS LONGER, FROM THE MAILING DATE of time may be available under the provisions of 37 CFR 1.11 SIX (6) MONTHS from the mailing date of this communication. Period for reply is specified above, the maximum statutory period ver to reply within the set or extended period for reply will, by statute reply received by the Office later than three months after the mailing and patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tim will apply and will expire SIX (6) MONTHS from , cause the application to become ABANDONEI	l. ely filed the mailing date of this communication. O (35 U.S.C. § 133).		
Status					
2a)	Responsive to communication(s) filed on <u>24 O</u> This action is FINAL . 2b) This Since this application is in condition for allower closed in accordance with the practice under E	action is non-final.			
Dispositi	on of Claims				
5)□ 6)⊠ 7)□ 8)□	Claim(s) 1,5-9,16 and 22 is/are pending in the 4a) Of the above claim(s) is/are withdray Claim(s) is/are allowed. Claim(s) 1,5-9,16 and 22 is/are rejected. Claim(s) is/are objected to. Claim(s) are subject to restriction and/or	vn from consideration.			
Applicati	on Papers				
10)□	The specification is objected to by the Examine The drawing(s) filed on is/are: a) access applicant may not request that any objection to the Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the Ex	epted or b) objected to by the Edrawing(s) be held in abeyance. See ion is required if the drawing(s) is obj	37 CFR 1.85(a). ected to. See 37 CFR 1.121(d).		
Priority u	ınder 35 U.S.C. § 119				
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 					
	e of References Cited (PTO-892)	4) 🔲 Interview Summary	(PTO-413)		
2) Notic 3) Inform	e of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO-1449 or PTO/SB/08) r No(s)/Mail Date	Paper No(s)/Mail Da			

In view of the Appeal Brief filed on 10/24/05, PROSECUTION IS HEREBY REOPENED. The rejection to the claims are set forth below.

To avoid abandonment of the application, appellant must exercise one of the following two options:

(1) file a reply under 37 CFR 1.111 (if this Office action is non-final) or a reply under 37 CFR 1.113 (if this Office action is final); or,

(2) initiate a new appeal by filing a notice of appeal under 37 CFR 41.31 followed by an appeal brief under 37 CFR 41.37. The previously paid notice of appeal fee and appeal brief fee can be applied to the new appeal. If, however, the appeal fees set forth in 37 CFR 41.20 have been increased since they were previously paid, then appellant must pay the difference between the increased fees and the amount previously paid.

A Supervisory Patent Examiner (SPE) has approved of reopening prosecution by signing below:

Claim Rejections - 35 USC § 112

- 1. The following is a quotation of the second paragraph of 35 U.S.C. 112:
 - The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.
- 2. Claims 5, 16 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

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"Up-lift classification of at least 90" is indefinite as it is unclear what lifting force is being claimed, and the standard of test is subject to change. Also, the specification is unclear what mathematical formula is used to calculate testing force.

Claim Rejections - 35 USC § 102

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 1. Claim 9 is rejected under 35 U.S.C. 102(b) as being anticipated by Carraro et al (4723749).

Carraro et al shows a support member comprising a main runner (76) having a vertical web and a bulb portion (77), a compression strut (30), a clip (75) comprising a first leg (the leg at 80, figure 5) a second leg 975), a mid portion (the bulging portion), the first leg is in direct contact with and is secured to the vertical web of the main runner, the second leg is in direct contact with and is secured to the compression strut, the mid portion disposed between the first leg and the second leg and is shaped to conform to the bulb portion of the main runner, the bulb portion (77) in interposed between the compression strut and the mid portion of the clip.

Claim Rejections - 35 USC § 103

- 1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 2. Claims 1, 8, 22 are rejected under 35 U.S.C. 103(a) as being unpatentable over Carraro et al (4723749) in view of Pinquist (4905952).

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Carraro et al shows a system comprising a main runner (76), each main runner having a vertical web and a bulb portion (77), a compression strut (30), a clip (figure 5), each clip having a first leg, a mid portion disposed between the first leg and the second leg (75), each first leg is in direct contact with and is secured to the vertical web of the main runner, each second leg is in direct contact with and is secured to the compression strut (inherently so as it is connected) and each mid-portion conforms to the bulb portion of a main runner, the bulb portion being interposed between the compression strut and the mid-portion, the first leg (figure 5 at 80) is secured to the main runner by a first fastening device selected from the group consisting of mechanical fastening devices and the second leg is secured to the compression strut (30) by a second fastening device selected from the group consisting of chemical device (material).

Carraro et al does not show a grid formed from a plurality of parallel extending main runners, and a plurality of cross runner extending between the main runners, a plurality of compression struts, a plurality of panels within the grid, a plurality of clips.

Pinquist shows a ceiling system comprising grid (figure 1) formed from a plurality of parallel extending main runners (21), and a plurality of cross runners (the ones perpendicular to the main runners) between the main runners, a plurality of compression struts (27), a plurality of panels (23) within the grid, a plurality of clips 42).

It would have been obvious to one having ordinary skill in art at the time of the invention to modify Carraro et al's structure to show a grid formed from a plurality of parallel extending main runners, and a plurality of cross runner extending between the main runners, a plurality of compression struts, a plurality of panels within the grid, a plurality of clips because it would allow for easy supporting of a ceiling systems formed of a grid formed from a plurality of

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parallel extending main runners and a plurality of cross runner extending between the main runners as taught by Pinquist.

Per claim 8, Carraro et al as modified shows the plurality of panels being downwardly accessible.

3. Claim 5 is rejected under 35 U.S.C. 103(a) as being unpatentable over Carraro et al (4723749) in view of Pinquist (4905952).

Carraro et al as modified shows all the claimed limitations except for the system being capable of meeting an up-lift classification 90.

It would have been obvious to one having ordinary skill in the art at the time of the invention to modify Carraro et al's modified structure to show the system being capable of meeting an up-lift classification 90 because it would have been obvious to a designer to make the system as strong as needed to withstand strong uplifting force generated by strong winds, hurricane, and other elemental factors, and the strengthening of the system can be easily accomplished by thickening the material, or by providing strong material.

4. Claims 6-7 are rejected under 35 U.S.C. 103(a) as being unpatentable over Carraro et al (4723749) in view of Pinquist (4905952).

Carraro et al as modified shows all the claimed limitations except for the struts being attached to the runners by the clips at an interval of about 2 feet or at an interval of up to about 12 feet..

It would have been obvious to one having ordinary skill in the art at the time of the invention to modify Carraro et al's modified structure to show the struts being attached to the runners by the clips at an interval of about 2 feet or at an interval of up to about 12 feet because it Art Unit: 3637

would have been an obvious matter of engineering design choice to attach the struts to the runner at intervals of 2 feet or 12 feet as it is up to the designer to choose the desired fastening forces between the struts and the runners for supporting the ceiling.

5. Claim 16 is rejected under 35 U.S.C. 103(a) as being unpatentable over Carraro et al (4723749).

Carraro et al shows all the claimed limitations except for the system being capable of meeting an up-lift classification 90.

It would have been obvious to one having ordinary skill in the art at the time of the invention to modify Carraro et al's structure to show the system being capable of meeting an uplift classification 90 because it would have been obvious to a designer to make the system as strong as needed to withstand strong uplifting force generated by strong winds, hurricane, and other elemental factors, and the strengthening of the system can be easily accomplished by thickening the material, or by providing strong material.

Response to Arguments

6. Applicant's arguments with respect to claims 1, 5-9, 16, 22 have been considered but are most in view of the new ground(s) of rejection.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. The prior art shows different ceiling system device.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Phi D A whose telephone number is 571-272-6864. The examiner can normally be reached on Monday-Thursday.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lanna Mai can be reached on 571-272-6867. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Phi Dieu Tran A

4/28/06

LANNA MAI SUPERVISORY PATENT EXAMINER TECHNOLOGY CENTER 3600

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